



8-17-00 526 Rec'd PCT/PTO PCT 16 AUG 2000

FORM PTO-1390 (REV 12-29-99)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 204,745
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/622467
INTERNATIONAL APPLICATION NO. PCT/SI99/00003	INTERNATIONAL FILING DATE February 5, 1999	PRIORITY DATE CLAIMED February 17, 1998	
TITLE OF INVENTION DEVICE PROVIDING PICTURE VISIBILITY FROM ALL SIDES			
APPLICANT(S) FOR DO/EO/US Damjan JURJAVCIC			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). - unsigned 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11. to 16. below concern document(s) or information included: 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification. 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: International Search Report; International Preliminary Examination Report; Form PCT/IB/308; Cover Sheet for Publication of International Application.			

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U.S. APPLICATION NO. (if known, see 37 CFR 1.53) 09/622467		INTERNATIONAL APPLICATION NO. PCT/SI99/00003		ATTORNEY'S DOCKET NUMBER 204,745	
17. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$690.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00 ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS PTO USE ONLY <div style="font-size: 2em; font-weight: bold;">\$ 840.00</div>	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	6 - 20 =		X \$18.00	\$	
Independent claims	2 - 3 =		X \$78.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	840.00
Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	
SUBTOTAL =				\$	840.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	
TOTAL NATIONAL FEE =				\$	840.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$	840.00
				Amount to be refunded:	\$
				charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>840.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>01-0035</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
ABELMAN FRAYNE & SCHWAB Attorneys at Law 150 East 42nd Street New York, NY 10017 (212) 949-9022			Aug. 16, 2000 <div style="text-align: right;"> SIGNATURE: <u>Michael I. Markowitz</u> NAME <u>30,659</u> REGISTRATION NUMBER </div>		

Prior to calculation of the filing fee and prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend claim 1 as follows:

Claim 1, line 9: please delete "consists of", and substitute --comprises--.

Please rewrite claims 3 and 4 as follows:

3. (Once Amended) A device providing picture visibility from all sides, as referred to in [claims 1 and 2,] claim 2, characterized in that the opaque cylinder (1) is discontinued by several transparent slots (2) cut-out lengthwise and that it rotates together with several objects (3).

4. (Once Amended) A device providing picture visibility from all sides, as referred to in [claims 1 through 3,] claim 3, characterized in that the two-dimensional objects (3) in the cylinder (1) shall be curved, whereas the three-dimensional objects (3) shall be duly deformed.

REMARKS

The claims have been amended by amending claim 1, and rewriting claims 3 and 4. Claims 1-6 remain pending in the application.

Claims 3 and 4 have been amended to change them from conjunctive multiple dependent claims, which are impermissible under United States practice, to single dependent claims.

Please charge any deficiency or other fees due to Deposit Account No. 01-0035.

Respectfully submitted,



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Attorney Docket 204,745

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: JURIAVCIC

SERIAL NO.: 09/622,467

EXAMINER:

FILED: August 16, 2000

GROUP NO.:

FOR (TITLE): DEVICE PROVIDING PICTURE VISIBILITY FROM ALL SIDES

**VERIFIED STATEMENT AS SMALL ENTITY**

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

SIR:

The undersigned declare(s):

Exclusive rights in the above-identified invention reside in the "small entity" defined and named below, and "small entity" fees are appropriate. Qualification as a small entity is based upon the following:

**INDEPENDENT INVENTOR**

An independent inventor is any inventor who:

- 1) has not assigned, granted, conveyed, or licensed, and
- 2) is under no obligation under contract or law to assign, grant, convey, or license any rights in the invention to any person who could not likewise be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a non-profit organization as defined in Rule 1.9.

**SMALL BUSINESS CONCERN**

A small business concern is defined as a business concern:

- 1) whose number of employees, including those of its affiliates, does not exceed 500 persons, and
- 2) which has not assigned, granted, conveyed, or licensed, and is under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor if that person had made the invention, or to any concern which would not qualify as a small business concern or a nonprofit organization as defined in Rule 1.9. Concerns are affiliates of each other when, either directly or indirectly, one concern controls or has the power to control the other, or a third party controls or has the power to control both. The number of employees of the business concern is the average over the fiscal year of the persons employed during each of the pay periods of the fiscal year. Employees are those persons employed on a full-time, part-time or temporary basis during the previous fiscal year of the concern.

☐ **NONPROFIT ORGANIZATION** (Check additional applicable box)

A nonprofit organization is defined as:

- ☐ 1) an university or other institution of higher education located in any country; or
- ☐ 2) an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)(3)) and exempt from taxation under Section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)); or
- ☐ 3) any nonprofit scientific or educational organization qualified under a nonprofit organization statute of a state of the United States (35 U.S.C. 201(i)); or
- ☐ 4) any nonprofit organization located in a foreign country which would qualify as a nonprofit organization under paragraphs (e)(2) or (3) of Rule 1.9 if it were located in the United States.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Damjan JURJAVCIC

(Print or type name of small entity)

[Signature]

(Signature and title of person authorized to act on behalf of small entity)

9.10.2000

(Date)

Beblerjeva 10.

(Address)

5280 Idrija Slovenia

* If "small entity" is more than one inventor or a combination of "small entities", add name(s), address(es) and signature(s) of other parties below. Please include date.

Full Name of Second Joint Inventor, If Any	Inventor's Signature	Date
Residence		
Full Name of Third Joint Inventor, If Any	Inventor's Signature	Date
Residence		
Full Name of Fourth Joint Inventor, If Any	Inventor's Signature	Date
Residence		
Full Name of Fifth Joint Inventor, If Any	Inventor's Signature	Date
Residence		
Full Name of Sixth Joint Inventor, If Any	Inventor's Signature	Date
Residence		
Full Name of Seventh Inventor, If Any	Inventor's Signature	Date
Residence		

5 DEVICE PROVIDING PICTURE VISIBILITY FROM ALL SIDES

10 The invention refers to a device which provides picture of the object
visibility from all sides, whereby the object exposed to view can be in the
form of an inscription or picture or three-dimensional object or running
inscription or mobile picture etc. The construction of the device depends
on the purpose of use. The picture is the same for all viewers standing
around the device and it is presented as a high-frequency and/or true
15 picture. The device further allows for viewing of different pictures
depending on the viewer's position around the device. The invention
belongs to class G 09 F 11/02 of the international patent classification.

20 The technical problem successfully solved by the device in question
involves the design and construction of such device which enables high-
frequency and/or actual presentation of identical information in any form
(inscription, picture, three-dimensional object, running inscription, mobile
picture, mobile object etc.) from any position on the horizontal level
around the device and/or provides high-frequency, actual display of
different information in whatever form in different positions on the
25 horizontal level around the device.

The existing information media, such as advertising panels, illuminated inscriptions on walls and high buildings, LED and LCD displays and TV screens are not visible from all sides but only from a single direction from
5 a specific viewing angle.

The information media which are exposed to several sides, e.g. four-panel boards, are visible from all sides, but the viewer can also see the adjacent information medium, whereas the information is seen from the right angle from certain positions only.

10 The information media which turn around a vertical axle, e.g. two-panel, three-panel revolving boards, are visible from all sides, but the information is not simultaneously visible from all sides.

As a matter of fact, the device providing picture visibility from all sides, such as referred to in this invention, is a fast rotating opaque cylinder
15 discontinued lengthwise by a transparent slot, whereby the cylinder rotates at high angular velocity around its axle together with the object. The transparent slot is positioned in front of the object. Depending on the type of the viewed object (two-dimensional object, three-dimensional object), the latter shall be of appropriate design, so that the picture of the
20 object is visible in the desired form.

The device providing picture visibility from all sides, as referred to in this invention, will be explained in detail on the basis of the example and the pictures, whereof

- 5
- Figure 1** shows the device referred to in this invention, which provides visibility of the identical pictures of the object from all sides, as partial section and as side view;
- Figure 2** shows the device referred to in this invention, which provides visibility of the identical pictures of the object from all sides, as sections A-A and B-B;
- 10 **Figure 3** shows the diagram of the device referred to in this invention, providing picture visibility of viewed objects in the form of inscription and three-dimensional object, as partial section and side view as well as the respective ground plan;
- 15 **Figure 4** shows the diagram of the device which provides visibility of the different pictures of the object from different viewing directions, as a ground plan and with reference to display brightness in positions α_1 , α_2 , α_3 ... α_n ;
- 20 **Figure 5** shows an example of the β_1 , β_2 , β_3 ... β_n viewing angle range, whereby the viewer can see a different picture of the object at every viewing angle.

The device providing picture visibility of an object and/or of several objects from all sides and whereof the basic design is shown in Figure 3 allows for viewing of a three-dimensional object 3a (static and mobile three-dimensional object) and of a two-dimensional object 3b (inscriptions, pictures, mobile pictures, running inscription) from all sides, with high frequency, identically to all viewers around the device, whenever an opaque cylinder 1 with the object 3 rotates at high angular velocity around its axle; the transparent slot 2 lengthwise discontinuing the opaque cylinder 1 is always located in front of the object 3. The opaque cylinder 1 may be a dark and non-shiny tube with a cut-out slot 2 or a colourless transparent tube covered with a dark, opaque and non-shiny layer discontinued for the width of the transparent slot 2, or an opaque cylinder 1 discontinued by a transparent slot 2 which during the operation constantly interrupts the opaque cylinder in the way that it is constantly in front of the object 3. Such three-dimensional object 3a as well as the two-dimensional object 3b shall be appropriately shaped. The two-dimensional object 3b, if inscription or picture, must be curved to give a straight picture provided by the device. The three-dimensional object 3b must be deformed to give the desired object picture provided by the device. The curved shape and/or the deformation of the viewed object 3 depends on the distance of the object 3 from the slot 2 as well as on the purpose of the device. With the device in question, designed for remote viewing, the

objects 3 are strongly deformed, but with devices designed for viewing at short distances the objects 3 are less deformed.

The width of the slot 2 influences the quality of the picture of the object 3. With a narrow slot 2 the picture of the object 3 is sharp enough, but
5 less bright. With a wide slot 2 the situation is, however, just the opposite.

To provide a high frequency (not blinking) picture of the object it is necessary to increase the frequency of the device itself, which can be achieved by increasing the number of revolutions or by increasing the number of transparent slots and identical objects 3.

10 The objects 3 under observation may be real objects (a two-dimensional inscription 3b fixed to the structure; a three-dimensional object 3a fixed to the structure of the device) or apparent objects (object 3 as a holographic projection; object 3 is apparent, its visibility can be achieved on the optical level, with mirrors, prisms, lenses etc.).

15 The objects 3 under observation shall be bright enough. They may be well illuminated or they radiate light themselves. The brightness of objects 3 shall be a high-frequency one or constant on a micro time interval.

Figures 1 and 2 show an example of the structure of the device referred to in this invention, which consists of a fast rotating rotor, a driving unit, an
20 electric system which enables transmission of electric current to the rotor and to the housing of the device.

The rotor consists of a dark non-shiny tube with three transparent slots 2, three curved two-dimensional objects 3 with inscription, cover 10 and

11, slip rings and wires for electric current transmission to light sources 7, which makes the electric system 13 in the rotor, bearing 14, lamellas 6 and light sources 7.

The rotor is assembled in the way that the tube 1 and the two-
5 dimensional objects 3 fit tightly into the grooves of the covers 10 and 11. The slip rings of the electric system 13, the lamellas 6 and the light sources 7 are fixed to the rotor structure, whereas the bearings 14 are pressed into the covers 10 and 11. The transparent slots 2 are positioned in front of the objects 3.

10 The rotor rotates on the axle 4 on bearings 14 and is axially blocked with a axial clamp ring 15. The rotor is driven via the shaft 5 by the electromotor 12. The shaft 5 is fixed by screw to the cover 11, whereas on the shaft of the electromotor 12 it is protected against distortion with a wedge.

15 The plate 16 is fixed by screw to the base 19. The electromotor 12, the axle 4 and the brushes of the electric system 13 are fixed by screw to the plate 16.

The protective external transparent tube 17 is mounted and fixed by screw to the housing 19 and cover 18.

20 The dark non-shiny tube 1 may be provided with cut-out slots 2 or the transparent tube is covered with a dark, opaque, non-shiny layer, discontinued for the width of the transparent slot 2.

The width of the slot 2 influences the quality of the picture of the object 3. If the slot 2 is narrow, the picture of the object is sharp enough, but its brightness is worse. With a wide slot 2 the situation is just the opposite.

The two-dimensional object 3 is illuminated by light sources 7. The illumination of the object 3 may be increased by application of an internal chrome coating of the tube 1, which provides less heating of the tube 1 due to light sources 7.

Internal cooling of the device referred to in this invention, which is heated by the light sources 7, is achieved with objects 3, with boreholes 8 on the lower cover 10 and with boreholes 9 on the upper cover 11. The boreholes 8 are located at a different distance from the rotor axle than the boreholes 9.

The width of the visible part of the picture of the viewed object 3 is limited with lamellas 6.

To provide a high frequency (not blinking) picture of the inscription on the object 3, the device shall operate at sufficient frequency. In the case explained this can be achieved with three transparent slots 2, with three two-dimensional objects 3 and with a sufficiently high number of revolutions of the electromotor 12.

The transmission of electric current to the rotating part of the device is effected through the electric system 13, which consists of brushes, electric installation and slip rings.

The safety of the device can be achieved with a safety transparent tube
17.

Figure 4 shows the diagram of the device which allows for high-frequency display of different pictures of object viewed by viewers
5 standing around the device. Such pictures of the objects 3 are different, depending on the viewers' positions around the device. Object 3 is the electronic display.

The electronics of the displayed object 3 - the electronic display shall operate in the way that at the angle α_1 the first column of the display S1
10 lights up, at the angle α_2 the second column of the display S2 lights up, at the angle α_3 the third column of the display S3 lights up, at the angle α_n ... the nth column of the display S_n lights up. Then the display is visible only in one direction and the column shall be lit for a certain time interval only. The cycle of consecutive lighting up of the first, the second ... the nth
15 column makes up the desired picture of the object which the viewer can see as a true, non-blinking picture.

The time interval of column brightness determines the viewing angle β under which the picture of the object is still visible with reference to the original direction.

20 The angle β may be of different size, yet within such limits that the display can be visible as whole. By changing the viewing distance R, the viewed picture of the display becomes curved, which results in visibility of only a certain width of the display picture. The above problems can be

avoided with a sufficient angle β and a display depending on the viewing distance, whereof the consequence is a limited number of different display pictures exposed to viewing.

At viewing beyond the angle β , the viewer can see a new display
5 picture. Figure 5 shows the viewing angle ranges β_1 , β_2 , β_3 , β_n , in which the viewer can see the picture of the object 3 which may be different from every viewing angle.

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PATENT CLAIMS

1. A device providing picture visibility from all sides, which has the shape
5 of a cylinder inside which the picture of the object exposed to view is
visible, which can be in the form of an inscription or picture or three-
dimensional object or a running inscription or mobile picture or mobile
three-dimensional object, whereby the picture of the object inside the
device is the same and simultaneously visible for all viewers around the
10 device, and it is presented as a normal picture,

characterized in that

- it consists of the objects (3) surrounded by an opaque cylinder (1),
lengthwise discontinued by a transparent slot (2), whereby the opaque
cylinder (1) rotates at high angular velocity around its axle together with
15 the object (3), whereas the transparent slot (2) is always located in
front of the object (3).

2. A device providing picture visibility from all sides, as referred to in claim
1,

20 **characterized in that**

- the opaque cylinder (1) may be a dark and non-shiny tube with a cut-
out slot (2) or a colourless transparent tube covered with a dark,
opaque and non-shiny layer discontinued for the width of the
transparent slot (2).

3. A device providing picture visibility from all sides, as referred to in claims 1 and 2,

5 **characterized in that**

the opaque cylinder (1) is discontinued by several transparent slots (2) cut-out lengthwise and that it rotates together with several objects (3).

4. A device providing picture visibility from all sides, as referred to in claims 1 through 3,

10 **characterized in that**

the two-dimensional objects (3) in the cylinder (1) shall be curved, whereas the three-dimensional objects (3) shall be duly deformed.

- 15 5. A device providing picture visibility from all sides, as referred to in claim 1,

characterized in that

20 the dark non-shiny tube (1) with transparent slots (2), which is fixed to the covers (10, 11), rotates, together with the objects (3) and with other internal elements, at high angular velocity around a fixed axle (4) on bearings (14), whereas the rotating elements are driven via a shaft (5) and a fast rotating electromotor (12); the boreholes (8) and (9) are at different distance from the axle (4), whereas the static part of the axle

(4), the plate (16), the static part of the electric system (13), the electromotor (12) housing, the base (19) are fixed together by screws; the protective transparent tube (17) is mounted and fixed by screw to the base (19) and cover (18).

5

6. A device providing picture visibility from all sides, the picture of the object being seen only from the viewing angle, whereas outside the viewing angle another picture is visible, provided that an electronic display is used,

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characterized in that

15

the electronic display operates in the way that at the angle (α_1) the first column of the display (S1) lights up, at the angle (α_2) the second column of the display (S2) lights up, at the angle (α_n) the... nth column of the display (S_n) lights up, so that the display picture is visible only in one direction from the viewing angle (β), whereas individual column shall be lit for a certain time interval only, which determines the viewing angle (β) from which the picture of the object is still visible with reference to the original direction.

20

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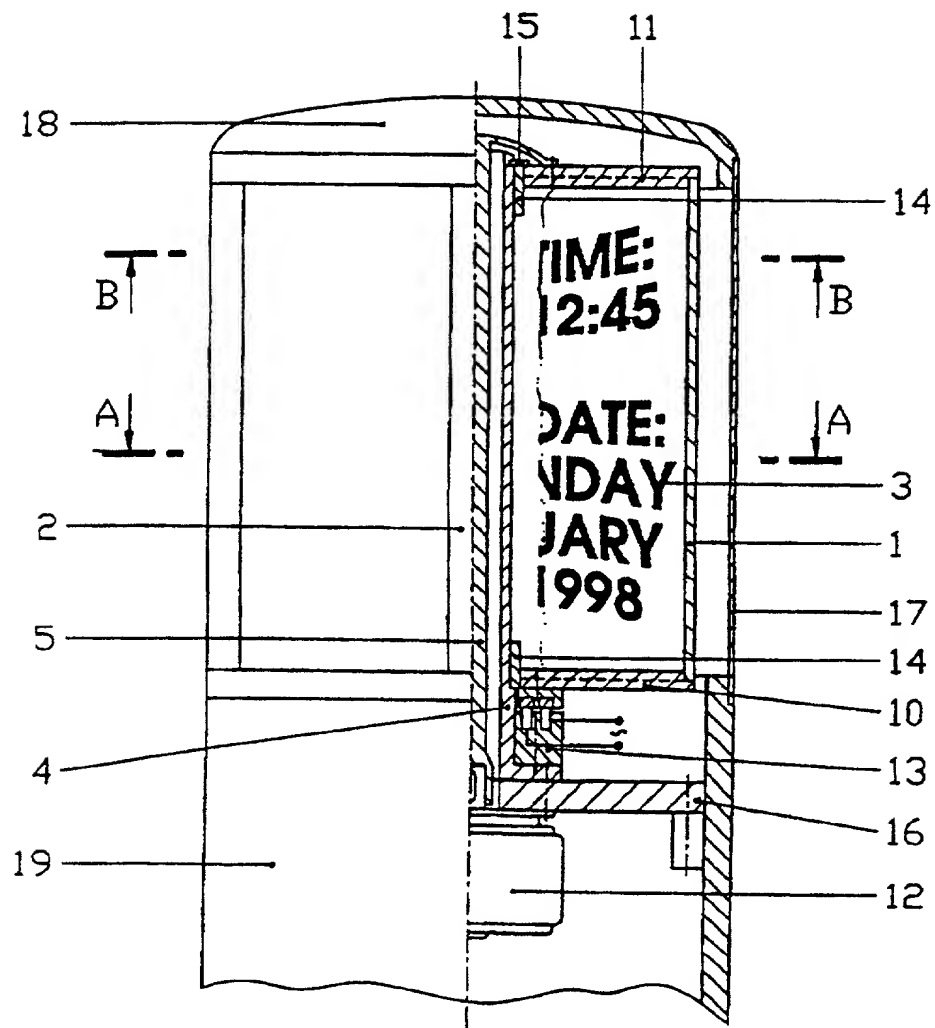
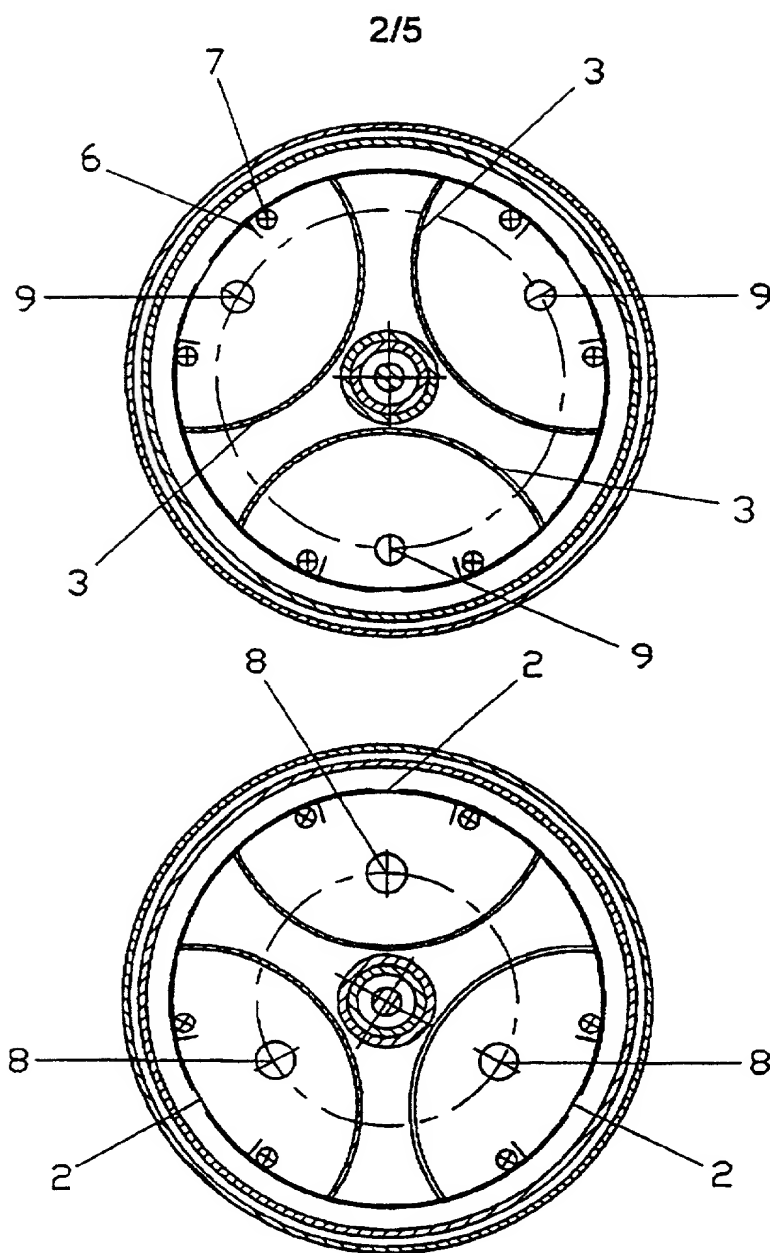


FIG. 1



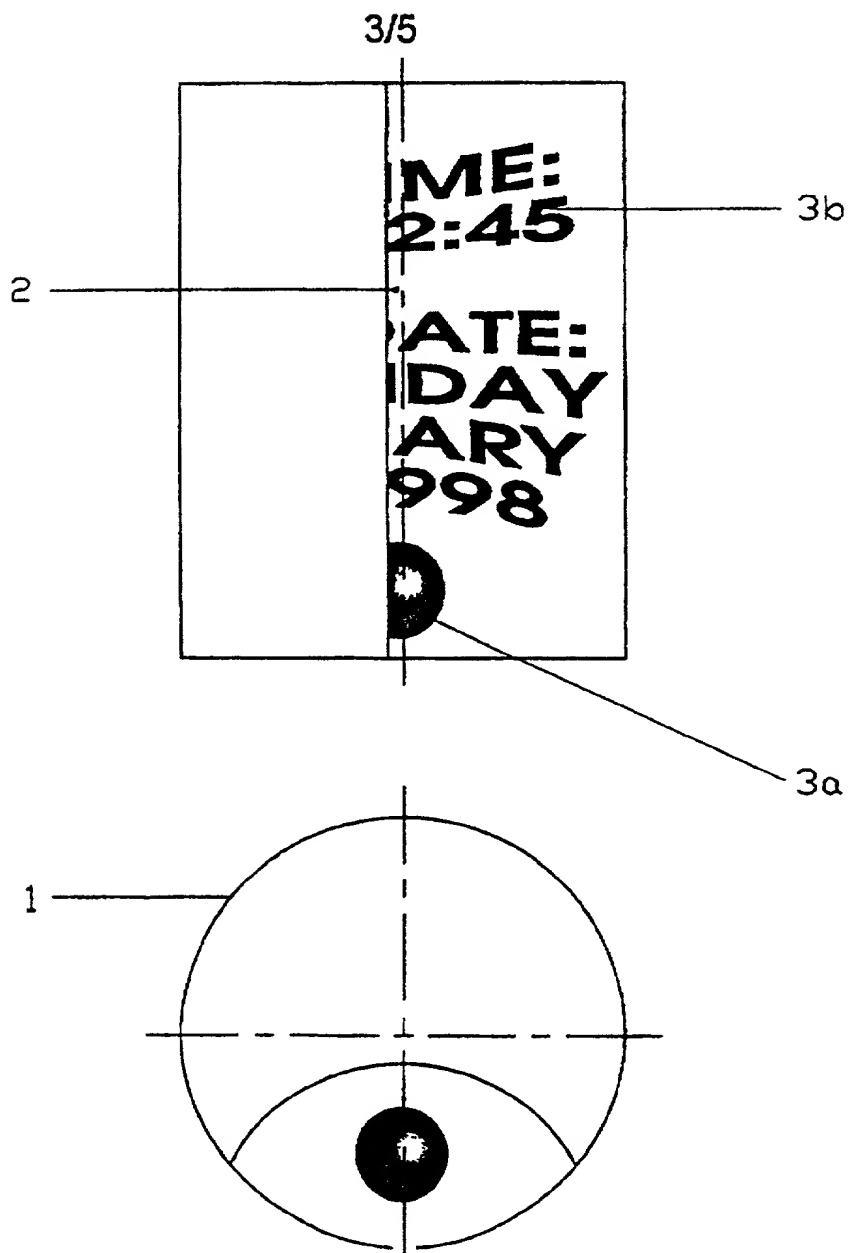


FIG. 3

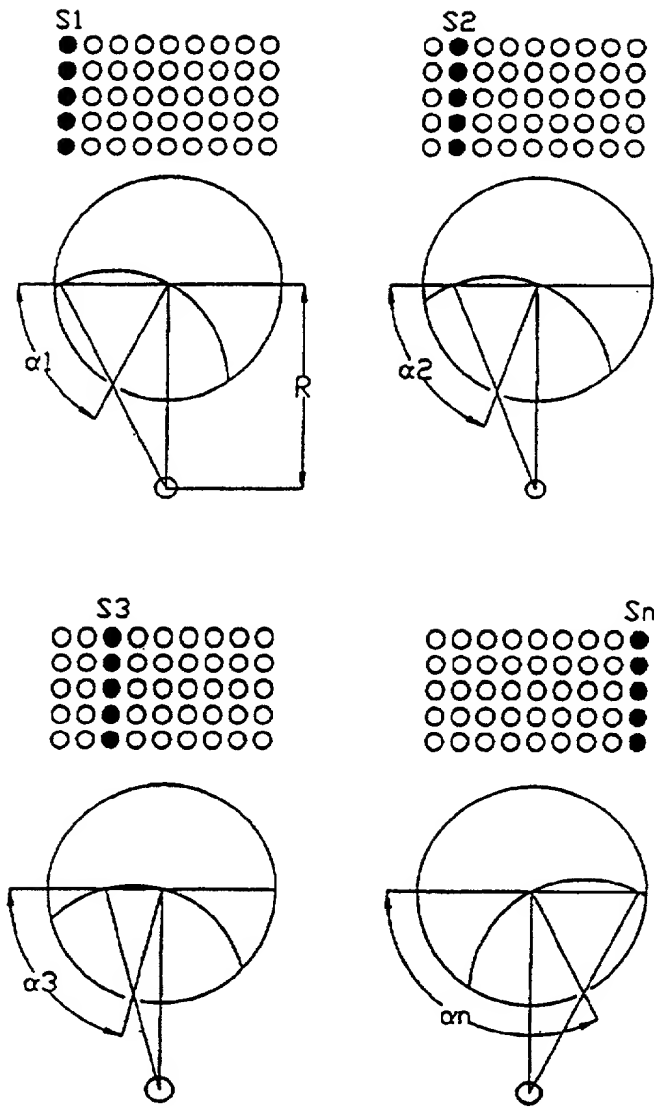


FIG. 4

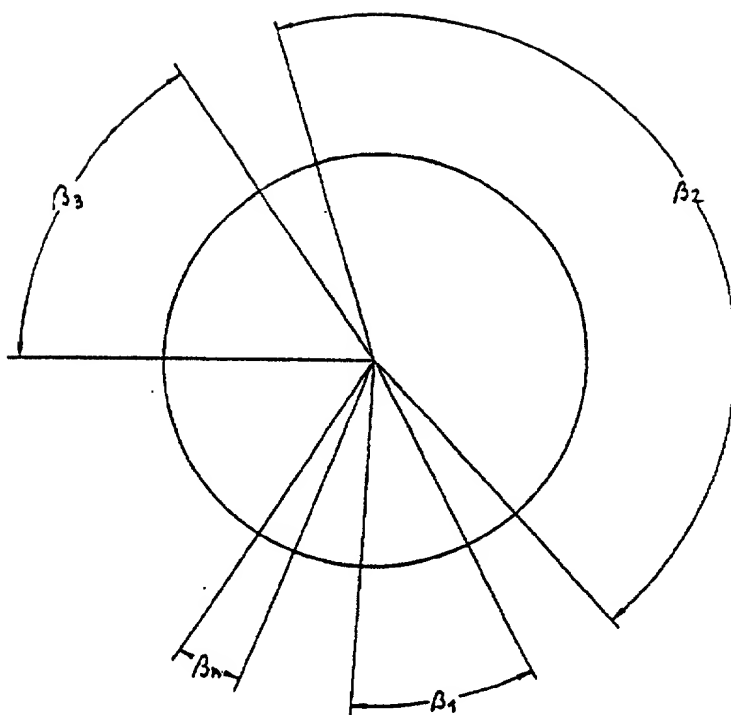


FIG. 5

UNITED STATES

PATENT APPLICATION
DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATIONATTORNEY'S DOCKET NO.
204,745

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name:

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled

(1) TITLE OF
INVENTION

(1) DEVICE PROVIDING PICTURE VISIBILITY FROM ALL SIDES

the specification of which

(2) CHECK
APPROPRIATE
BOX(2) ☐ is attached hereto.☒ was filed on February 5, 1999 as Application No. PCT/SI99/00003

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge my duty to disclose information of which I am aware which is material to the patentability of this application under 37 CFR 1.56(a): the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application; and as to applications for patents or inventor's certificate on the invention filed in any country foreign to the United States prior to this application by me or my legal representatives or assigns.

(3) CHECK
APPROPRIATE
BOX(3) ☐ no such applications have been filed, or☒ such application(s) have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THIS APPLICATION				
Country	Application Number	Date of Filing (day, month, year)	Date of Issue (day, month, year)	Priority Claimed Under 35 USC 119
SLOVENIA	P-9800044	17/FEB/1998		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
				<input type="checkbox"/> Yes <input type="checkbox"/> No
ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THIS APPLICATION				

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112. I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(5) COMPLETE (5)
DATA INDICATED
IF APPLICABLE

(Application Serial No.)

(Filing date)

(Status: patented, pending, abandoned)

(5)

(Application Serial No.)

(Filing date)

(Status: patented, pending, abandoned)

(Page 1 of 2)

Power of Attorney: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Jeffrey A. Schwab, Registration Number 24,490
 Thomas E. Spath, Registration Number 23,928
 Jay S. Cinamon, Registration Number 24,156

Michael I. Markowitz, Registration Number 30,659
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(6) DETAILS
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